

*A1* 11. (Amended) The method of Claim 21, wherein the propellant is at least one of

mono-, di- and tri-basic propellants for gun ammunition.

Please add Claims 21 et seq.

*A2* --21. A method for producing a propellant powder for gun ammunition, comprising surface-treating a propellant powder with at least one polymer selected from the group consisting of polyether, polyurethane, polyurea, polybutadiene, polyamide, and cellulose ester.--

*A2* --22. The method of Claim 21, wherein the propellant is at least one of mono-, di- and tri-basic propellants for gun ammunition.--

*SUB3* --23. The method of Claim 22, wherein the propellant comprises at least one of nitrocellulose, a nitric acid ester, an alkyl nitrato ethyl nitramine, nitroguanidine, hexogen, octogen, 3-nitro-1,2,4-triazol-5-one, and hexanitrohexaazaisowurtzitane.--

--24. The method of Claim 23, wherein the nitric acid ester is at least one of nitroglycerine, diethylene glycol dinitrate, butane triol trinitrate, metriol trinitrate, and triethylene glycol dinitrate.--

--25. The method of Claim 21, wherein the surface-treating step comprises the step of applying a polymer, in the form of a solution or of an emulsion.--

--26. The method of Claim 25, wherein applying is by spraying in a rotating drum or incubating in an impregnating solution.--

*SUB4* --27. The method of Claim 21, wherein the polymer and an energetic, monomer softener components are applied as a mixture of the two components or by a two-stage, consecutive treatment.--

--28. The method of Claim 27, wherein the energetic softener comprises at least one of alkyl nitroso ethyl nitramine, nitric acid ester; bis(2,2-dinitropropyl) acetal, bis(2,2-dinitropropyl) formal, and dinitrodiazaalkane--

--29. A method for producing a propellant powder for gun ammunition, comprising surface-treating a propellant powder with at least one polymer selected from the group consisting of poly-3-nitratomethyl-3-methyl oxetane, polyglycidyl nitrate, and glycidylazide polymer.--

--30. The method of Claim 29, wherein the propellant is at least one of mono-, di- and tri-basic propellants for gun ammunition.--

--31. The method of Claim 29, wherein the propellant comprises at least one of nitrocellulose, a nitric acid ester, an alkyl nitroso ethyl nitramine, nitroguanidine, hexogen, octogen, 3-nitro-1,2,4-triazol-5-one, and hexanitrohexaazaisowurtzitane.--

--32. The method of Claim 31, wherein the nitric acid ester is at least one of nitroglycerine, diethylene glycol dinitrate, butane triol trinitrate, metriol trinitrate, and triethylene glycol dinitrate.--

--33. The method of Claim 29, wherein the surface-treating step comprises the step of applying a polymer, in the form of a solution or of an emulsion.--

--34. The method of Claim 33; wherein applying is by spraying in a rotating drum or incubating in an impregnating solution.--

--35. The method of Claim 29, wherein the polymer and an energetic, monomer softener components are applied as a mixture of the two components or by a two-stage, consecutive treatment.--

--36. A method for producing a propellant powder for gun ammunition, comprising

surface-treating a propellant powder with at least one of alkyl nitroto ethyl nitramine, nitric acid ester; bis(2,2-dinitropropyl) acetal, bis(2,2-dinitropropyl) formal, and dinitrodiazaalkane.--

--37. The method of Claim 36, wherein the propellant is at least one of mono-, di- and tri-basic propellants for gun ammunition.--

--38. The method of Claim 36, wherein the propellant comprises at least one of nitrocellulose, a nitric acid ester, an alkyl nitroto ethyl nitramine, nitroguanidine, hexogen, octogen, 3-nitro-1,2,4-triazol-5-one, and hexanitrohexaazaisowurtzitane.--

--39. The method of Claim 38, wherein the nitric acid ester is at least one of nitroglycerine, diethylene glycol dinitrate, butane triol trinitrate, metriol trinitrate, and triethylene glycol dinitrate.--

--40. The method of Claim 35, wherein the surface-treating step comprises the step of applying a polymer, in the form of a solution or of an emulsion.--

--41. The method of Claim 40; wherein applying is by spraying in a rotating drum or incubating in an impregnating solution.--

--42. The method of Claim 36, wherein the polymer and an energetic, monomer softener components are applied as a mixture of the two components or by a two-stage, consecutive treatment.--